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System and Method for Selective
Object History Retention

ABSTRACT

A system and method for selectively retaining object
history using a series of snapshots from a database is
claimed. Rules are established for a database file or
table to determine snapshot triggers. When a rule is
triggered by an event, a snapshot is taken of a predefined
set of database data. The snapshot is stored in a separate
data area, such as a database table. Snapshots are queried
and analyzed to determine historical trends. In addition,
snapshot data can be overlaid onto the current database
data in order to view changes in the data and also to
facilitate record rollback using the snapshot data. When a
rollback is requested, the current database record is
copied to a new snapshot record and one of the snapshot
records is overlaid onto the current database record
creating a new database record. A transaction log is also
maintained to record details regarding snapshot processing.